Sheet 1 of 4#4  
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13294-002001	Application No. 09/877,935
		Applicant Daniel Pinto et al.	
		Filing Date June 8, 2001	Group Art Unit 1645

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
ca	AB	0 496 174 A1	07/29/92	EPO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
ca	AC	GenBank Accession No. M98454
	AD	Aronow et al., "Functional Analysis of the Human Adenosine Deaminase Gene Thymic Regulatory Region and Its Ability To Generate Position-Independent Transgene Expression," <u>Mol. Cell. Biol.</u> , 1992, 12(9):4170-4185
	AE	Bacchi and Gown, "Distribution and Pattern of Expression of Villin, A Gastrointestinal-Associated Cytoskeletal Protein, in Human Carcinomas: A Study Employing Paraffin-Employing Paraffin-Embedded Tissue," <u>Lab. Invest.</u> , 1991, 64(3):418-424
	AF	Becker, "The Establishment of Active Promoters in Chromatin," <u>BioEssays</u> , 1994, 16(8):541-547
	AG	Bisaha et al., "Characterization of an Enhancer Element in the Human Apolipoprotein C-III Gene That Regulates Human Apolipoprotein A-I Gene Expression in the Intestinal Epithelium," <u>J. Biol. Chem.</u> , 1995, 270(34):19979-19988
	AH	Boller et al., "Differential distribution of villin and villin mRNA in mouse intestinal epithelial cells," <u>Differentiation</u> , 1988, 39:51-57
	AI	Breathnach and Chambon, "Organization and Expression of Eucaryotic Split Genes Coding for Proteins," <u>Ann. Rev. Biochem.</u> , 1981, 50:349-383
	AJ	Bry et al., "Paneth cell differentiation in the developing intestine of normal and transgenic mice," <u>Proc. Natl. Acad. Sci. USA</u> , 1994, 91:10335-10339
	AK	Carboni et al., "Characterization of Intestinal Brush Border Cytoskeletal Proteins of Normal and Neoplastic Human Epithelial Cells," <u>Am. J. Path.</u> , 1987, 129(3):589-600
	AL	Cartier et al., "Establishment of renal proximal tubule cell lines by targeted oncogenesis in transgenic mice using the L-pyruvate kinase-SV40 (T) antigen hybrid gene," <u>J. Cell Science</u> , 1993, 104:695-704
	AM	Cheng and LeBlond, "Origin, Differentiation and Renewal of the Four Main Epithelial Cell Types in the Mouse Small Intestine," <u>Am. J. Anat.</u> , 1974, 141:461-479
	AN	Cohen-Tannoudji et al., "I-SceI-Induced Gene Replacement at a Natural Locus in Embryonic Stem Cells," <u>Mol. Cell. Biol.</u> , 1998, 18(3):1444-1448
	AO	Cohn et al., "Use of Transgenic Mice to Map cis-acting Elements in the Intestinal Fatty Acid Binding Protein Gene ( <i>Fabpi</i> ) That Control Its Cell Lineage-specific and Regional Patterns of Expression along the Duodenal-Colonic and Crypt-Villus Axes of the Gut Epithelium," <u>J. Cell Biol.</u> , 1992, 119:27-44

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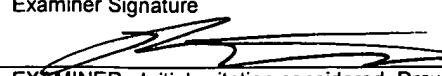
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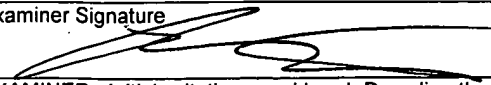
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cd	AP	Crossman et al., "The Mouse Ileal Lipid-binding Protein Gene: A Model for Studying Axial Patterning during Gut Morphogenesis," <u>J. Cell Biol.</u> , 1994, 126(6):1547-1564
	AQ	Cui et al., "Reporter genes in transgenic mice," <u>Trans. Res.</u> , 1994, 3:182-194
	AR	Dunbar et al., "Functional analysis of the mouse villin gene promoter," <u>Mol Biol. Cell</u> , 1998, 9(Suppl.):1840
	AS	Efrat et al., "Beta-cell lines derived from transgenic mice expressing a hybrid insulin gene-oncogene," <u>Proc. Natl. Acad. Sci. USA</u> , 1988, 85:9037-9041
	AT	Ezzell et al., "Differential localization of villin and fimbrin during development of the mouse visceral endoderm and intestinal epithelium," <u>Development</u> , 1989, 106:407-419
	AU	Fearon and Vogelstein, "A Genetic Model for Colorectal Tumorigenesis," <u>Cell</u> , 1990, 61:759-767
	AV	Gordon and Hermiston, "Differentiation and self-renewal in the mouse gastrointestinal epithelium," <u>Curr. Opin. Cell Biol.</u> , 1994, 6:795-803
	AW	Green et al., "The Mouse Intestinal Fatty Acid Binding Protein Gene: Nucleotide Sequence, Pattern of Developmental and Regional Expression, and Proposed Structure of Its Protein Product," <u>DNA Cell Biol.</u> , 1992, 11:31-41
	AX	Hall et al., "Regulation of cell number in the mammalian gastrointestinal tract: the importance of apoptosis," <u>J. Cell Science</u> , 1994, 107:3569-3577
	AY	Hanahan, "Dissecting Multistep Tumorigenesis in Transgenic Mice," <u>Annu. Rev. Genet.</u> , 1988, 22:479-519
	AZ	Haft et al., "Expression of SV-40 T Antigen in the Small Intestinal Epithelium of Transgenic Mice Results in Proliferative Changes in the Crypt and Reentry of Villus-associated Enterocytes into the Cell Cycle but Has No Apparent Effect on Cellular Differentiation Programs and Does Not Cause Neoplastic Transformation," <u>J. Cell Biol.</u> , 1992, 117(4):825-839
	AAA	Hermiston et al., "Chimeric-transgenic mice represent a powerful tool for studying how the proliferation and differentiation programs of intestinal epithelial cell lineages are regulated," <u>Proc. Natl. Acad. Sci. USA</u> , 1993, 90:8866-8870
	ABB	Hermiston and Gordon, "In Vivo Analysis of Cadherin Function in the Mouse Intestinal Epithelium: Essential Roles in Adhesion, Maintenance of Differentiation, and Regulation of Programmed Cell Death," <u>J. Cell Biol.</u> , 1995, 129(2):489-506
	ACC	Kim et al., "Transgenic Mouse Models That Explore the Multistep Hypothesis of Intestinal Neoplasia," <u>J. Cell Biol.</u> , 1993, 123(4):877-893
	ADD	Kistner et al., "Doxycycline-mediated quantitative and tissue-specific control of gene expression in transgenic mice," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:10933-10938
	AEE	Markowitz et al., "The human sucrase-isomaltase gene directs complex patterns of gene expression in transgenic mice," <u>Am. J. Physiol.</u> , 1993, 265(3):G526-G539
	AFF	Maunoury et al., "Villin expression in the visceral endoderm and in the gut anlage during early mouse embryogenesis," <u>EMBO J.</u> , 1988, 7(11):3321-3329
	AGG	Maunoury et al., "Developmental regulation of villin gene expression in the epithelial cell lineages of mouse digestive and urogenital tracts," <u>Development</u> , 1992, 115:717-728
✓	AHH	Moll et al., "Villin: a cytoskeletal protein and a differentiation marker expressed in some human adenocarcinomas," <u>Virchows Arch B</u> , 1987, 54:155-169

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ca	AIJ	Perret et al., "DNase I-hypersensitive sites are associated, in a tissue-specific manner, with expression of the calbindin-D9k-encoding gene," <u>Gene</u> , 1991, 108:227-235
	AJJ	Pinto et al., "Regulatory Sequences of the Mouse Villin Gene That Efficiently Drive Transgenic Expression in Immature and Differentiated Epithelial Cells of Small and Large Intestines," <u>J. Biol. Chem.</u> , 1999, 274(10):6476-6482
	AKK	Ponder et al., "Derivation of mouse intestinal crypts from single progenitor cells," <u>Nature</u> , 1985, 313:689-691
	ALL	Potten and Loeffler, "Stem cells: attributes, cycles, spirals, pitfalls and uncertainties – Lessons for and from the Crypt," <u>Development</u> , 1990, 110:1001-1020
	AMM	Pringault et al., "Structure of the human villin gene," <u>Proc. Natl. Acad. Sci. USA</u> , 1991, 88:10811-10815
	ANN	Robine et al., "Can villin be used to identify malignant and undifferentiated normal digestive epithelial cells?" <u>Proc. Natl. Acad. Sci. USA</u> , 1985, 82:8488-8492
	AOO	Robine et al., "Regulatory Sequences on the Human Villin Gene Trigger the Expression of a Reporter Gene in a Differentiating HT29 Intestinal Cell Line," <u>J. Biol. Chem.</u> , 1993, 268(15):11426-11434
	APP	Robine et al., "Gene Targeting in Epithelial Cells of the Endodermal Cell Lineage Using the Human Villin Promoter," <u>Cell Biol. Intl.</u> , 1994, 18(5):471
	AQQ	Robine et al., "Epithelial Cell Growth and Differentiation – IV. Controlled spatiotemporal expression of transgenes: new tools to study normal and pathological states," <u>Am. J. Physiol.</u> , 1997, 273(4):G759-G762
	ARR	Rottman and Gordon, "Comparison of the Patterns of Expression of Rat Intestinal Fatty Acid Binding Protein/Human Growth Hormone Fusion Genes in Cultured Intestinal Epithelial Cell Lines and in the Gut Epithelium of Transgenic Mice," <u>J. Biol. Chem.</u> , 1993, 268(16):11994-12002
	ASS	Sabourin et al., "An Intronic Enhancer Essential for Tissue-specific Expression of the Aldolase B Transgenes," <u>J. Biol. Chem.</u> , 1996, 271(7):3469-3473
	ATT	Schmidt et al., "Cell Migration Pathway in the Intestinal Epithelium: An In Situ Marker System Using Mouse Aggregation Chimeras," <u>Cell</u> , 1985, 40:425-429
	AUU	Simon et al., "A 20-nucleotide element in the intestinal fatty acid binding protein gene modulates its cell lineage-specific, differentiation-dependent, and cephalocaudal patterns of expression in transgenic mice," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 92:8685-8689
	AVV	Simon et al., "Suppressor and Activator Functions Mediated by a Repeated Heptad Sequence in the Liver Fatty Acid-binding Protein Gene ( <i>Fabpl</i> )," <u>J. Biol. Chem.</u> , 1997, 272(16):10652-10663
	AWW	Sweetser et al., "Transgenic mice containing intestinal fatty acid-binding protein-human growth hormone fusion genes exhibit correct regional and cell-specific expression of the reporter gene in their small intestine," <u>Proc. Natl. Acad. Sci. USA</u> , 1988, 85:9611-9615
	AXX	Tremp et al., "Induction of a lesion resembling human thymoma in transgenic mice," <u>Proc. Am. Assoc. Cancer Res.</u> , 1993, 34:A3180
	AYY	West et al., "Localization of Villin, a Cytoskeletal Protein Specific to Microvilli, in Human Ileum and Colon and in Colonic Neoplasms," <u>Gastroenterology</u> , 1988, 94:343-352
	AZZ	Wright and Irwin, "The kinetics of villus cell populations in the mouse small intestine," <u>Cell Tissue Kinet.</u> , 1982, 15:595-609

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